

# UTILITY PATENT APPLICATION TRANSMITTAL

## (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
122294-1010

Total Pages in this Submission  
420

### TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**ENGINEERED FAB' FRAGMENT ANTI-TUMOR NECROSIS FACTOR ALPHA IN COMBINATION WITH DISEASE MODIFYING ANTI-RHEUMATIC DRUGS**

and invented by:

Susan L. Woulfe  
Rita Jain  
Aimee Burr

22141 U.S. PTO  
10/7/28420

120503

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Enclosed are:

### Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 56 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☒ Cross References to Related Applications (if applicable)
  - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
  - d. ☒ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings (if filed)
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
122294-1010

Total Pages in this Submission  
420

## Application Elements (Continued)

3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)
- a. ☐ Formal Number of Sheets \_\_\_\_\_
- b. ☒ Informal Number of Sheets 22
4. ☒ Oath or Declaration
- a. ☐ Newly executed (original or copy) ☒ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
- c. ☒ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (usable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. ☐ Application Data Sheet (See 37 CFR 1.76)
8. ☒ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)
- a. ☒ Computer Readable Form (CRF)
- b. ☒ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☒ Paper
- c. ☒ Statement(s) Verifying Identical Paper and Computer Readable Copy

## Accompanying Application Parts

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☒ 37 CFR 3.73(B) Statement (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail (Specify Label No.): EV 322135025 US

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

Docket No.  
122294-1010

Total Pages in this Submission  
420

**Accompanying Application Parts (Continued)**

17. ☒ Additional Enclosures *(please identify below)*:

Appointment of Attorneys Under 37 CFR 3.71  
Copy of Assignment

**Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)**

18. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

***Warning***

***An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.***

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
122294-1010

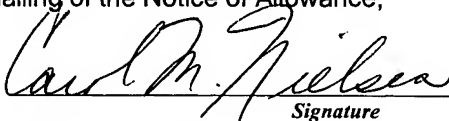
Total Pages in this Submission  
420

**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	87	- 20 =	67	x \$18.00	\$1,206.00
Indep. Claims	26	- 3 =	23	x \$86.00	\$1,978.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$770.00
OTHER FEE (specify purpose) _____					\$0.00
TOTAL FILING FEE					\$3,954.00

- ☒ A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 07-0153 as described below.
- ☐ Charge the amount of \_\_\_\_\_ as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

  
Signature

Carol M. Nielsen  
Registration No.: 37,676  
Gardere Wynne Sewell LLP  
1000 Louisiana, Suite 3400  
Houston, Texas 77002-5007  
Phone: (713) 276-5383  
Fax: (713) 276-5555

Dated: \_\_\_\_\_

cc: \_\_\_\_\_

**CERTIFICATE OF MAILING**

I certify that this correspondence is being deposited with the U.S. Postal Service Express Mail delivery service under 37 C.F.R. 1.10 and is addressed to MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

William Asher

Signature

William ASHER

Name of Person Signing

EV 322135025 US

"Express Mail" Mailing Label Number

Date of Signature: 12-5-03



14230 U.S. PTO

120503

PTO/SB/17 (08-03)  
Approved for use through 07/31/2006. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.**FEE TRANSMITTAL  
for FY 2003**

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) \$3,954.00

**Complete if Known**

Application Number	Unknown
Filing Date	December 5, 2003
First Named Inventor	Woulfe, et al.
Examiner Name	Unknown
Art Unit	Unknown
Attorney Docket No.	122294-1010

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																											
<input checked="" type="checkbox"/> Check	<input type="checkbox"/> Credit card	<b>3. ADDITIONAL FEES</b>																																											
<input checked="" type="checkbox"/> Deposit Account:	<input type="checkbox"/> Money Order	<b>Large Entity</b> <b>Small Entity</b>																																											
Deposit Account Number	<input type="checkbox"/> Other																																												
Deposit Account Name	<input type="checkbox"/> None																																												
The Director is authorized to: (check all that apply)																																													
<input type="checkbox"/> Charge fee(s) indicated below																																													
<input checked="" type="checkbox"/> Charge any overpayments																																													
<input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application																																													
<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.																																													
<b>FEE CALCULATION</b>																																													
<b>1. BASIC FILING FEE</b>																																													
<table border="1"><thead><tr><th>Large Entity</th><th>Small Entity</th><th>Fee Code</th><th>Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>1001</td><td>2001</td><td>750</td><td>375</td><td>Utility filing fee</td><td>770.00</td></tr><tr><td>1002</td><td>2002</td><td>330</td><td>165</td><td>Design filing</td><td></td></tr><tr><td>1003</td><td>2003</td><td>520</td><td>260</td><td>Plant filing fee</td><td></td></tr><tr><td>1004</td><td>2004</td><td>750</td><td>375</td><td>Reissue filing</td><td></td></tr><tr><td>1005</td><td>2005</td><td>160</td><td>80</td><td>Provisional filing fee</td><td></td></tr><tr><td colspan="5">SUBTOTAL (1)</td><td>(\$)</td></tr></tbody></table>		Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid	1001	2001	750	375	Utility filing fee	770.00	1002	2002	330	165	Design filing		1003	2003	520	260	Plant filing fee		1004	2004	750	375	Reissue filing		1005	2005	160	80	Provisional filing fee		SUBTOTAL (1)					(\$)		
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid																																								
1001	2001	750	375	Utility filing fee	770.00																																								
1002	2002	330	165	Design filing																																									
1003	2003	520	260	Plant filing fee																																									
1004	2004	750	375	Reissue filing																																									
1005	2005	160	80	Provisional filing fee																																									
SUBTOTAL (1)					(\$)																																								
<b>2. EXTRA CLAIM FEES FOR UTILITY AND</b>																																													
<table border="1"><thead><tr><th>Extra Claims</th><th>Fee from below</th><th>Fee Paid</th></tr></thead><tbody><tr><td>Total Claims 87 - 20** = 67</td><td>X 18.00 =</td><td>1,206.00</td></tr><tr><td>Independent Claims 26 - 3** = 23</td><td>X 86.00 =</td><td>1,978.00</td></tr><tr><td>Multiple Dependent</td><td></td><td></td></tr></tbody></table>		Extra Claims	Fee from below	Fee Paid	Total Claims 87 - 20** = 67	X 18.00 =	1,206.00	Independent Claims 26 - 3** = 23	X 86.00 =	1,978.00	Multiple Dependent																																		
Extra Claims	Fee from below	Fee Paid																																											
Total Claims 87 - 20** = 67	X 18.00 =	1,206.00																																											
Independent Claims 26 - 3** = 23	X 86.00 =	1,978.00																																											
Multiple Dependent																																													
<table border="1"><thead><tr><th>Large Entity</th><th>Small Entity</th><th>Fee Code</th><th>Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>1202</td><td>2202</td><td>18</td><td>9</td><td>Claims in excess of 20</td><td></td></tr><tr><td>1201</td><td>2201</td><td>84</td><td>42</td><td>Independent claims in excess of 3</td><td></td></tr><tr><td>1203</td><td>2203</td><td>280</td><td>140</td><td>Multiple dependent claim, if not paid</td><td></td></tr><tr><td>1204</td><td>2204</td><td>84</td><td>42</td><td>** Reissue independent claims over original patent</td><td></td></tr><tr><td>1205</td><td>2205</td><td>18</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr><tr><td colspan="5">SUBTOTAL (2)</td><td>(\$)</td></tr></tbody></table>		Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid	1202	2202	18	9	Claims in excess of 20		1201	2201	84	42	Independent claims in excess of 3		1203	2203	280	140	Multiple dependent claim, if not paid		1204	2204	84	42	** Reissue independent claims over original patent		1205	2205	18	9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)					(\$)		
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid																																								
1202	2202	18	9	Claims in excess of 20																																									
1201	2201	84	42	Independent claims in excess of 3																																									
1203	2203	280	140	Multiple dependent claim, if not paid																																									
1204	2204	84	42	** Reissue independent claims over original patent																																									
1205	2205	18	9	** Reissue claims in excess of 20 and over original patent																																									
SUBTOTAL (2)					(\$)																																								
**or number previously paid, if greater; For Reissues, see above																																													
		SUBTOTAL (3) (\$)																																											

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Carol M. Nielsen	Registration No. (Attorney/Agent)	37,676
Signature	<i>Carol M. Nielsen</i>	Telephone	(713) 276-5383
		Date	December 5, 2003

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Woulfe, et al.  
 Serial No.: 60/431,053  
 Filing Date: December 5, 2002  
 Title: ENGINEERED FAB' FRAGMENT  
 ANTI-TUMOR NECROSIS FACTOR  
 ALPHA IN COMBINATION WITH  
 DISEASE MODIFYING ANTI-  
 RHEUMATIC DRUGS  
 Atty Docket: 122294-1006

§  
§  
§  
§  
§  
§  
§  
§  
§  
§  
§  
§

## CERTIFICATE OF FACSIMILE TRANSMISSION

Facsimile No.: 703-306-5995

Date of Facsimile: May 15, 2003

I certify that the accompanying papers are being facsimile  
 transmitted under 37 CFR 1.8 on the date indicated above and  
 is addressed to U.S. Patent and Trademark Office, Assignment  
 Division, Box Assignments, CG-4, 1213 Jefferson Davis  
 Hwy., Suite 320, Washington, D.C. 20231.

Kathryn D. Wooley  
 Typed name: Kathryn D. Wooley

MS: Assignment Recordation Services  
 Director of the U.S. Patent and Trademark Office  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

## TRANSMITTAL LETTER

Sir:

Enclosed for submission with the U.S. Patent and Trademark Office, Assignment Division is the following:

- (1) Recordation Form Cover Sheet Patents Only for Assignment from Inventors to Pharmacia Corporation; and
- (2) Assignment from Inventors to Pharmacia Corporation.

Commissioner is hereby authorized to charge \$40.00 to Deposit Account No. 07-0153. Any excess or insufficiency should be credited or debited to Deposit Account No. 07-0153. A duplicate copy of this sheet is enclosed.

Date:

May 15, 2003

Respectfully submitted,

Carol M. Nielsen  
 Carol M. Nielsen  
 Reg. No. 37,676

Gardere Wynne Sewell LLP  
 1000 Louisiana, Suite 3400  
 Houston, Texas 77002-5007  
 713-276-5383 phone  
 713-276-5555 fax  
 cnielsen@Gardere.com